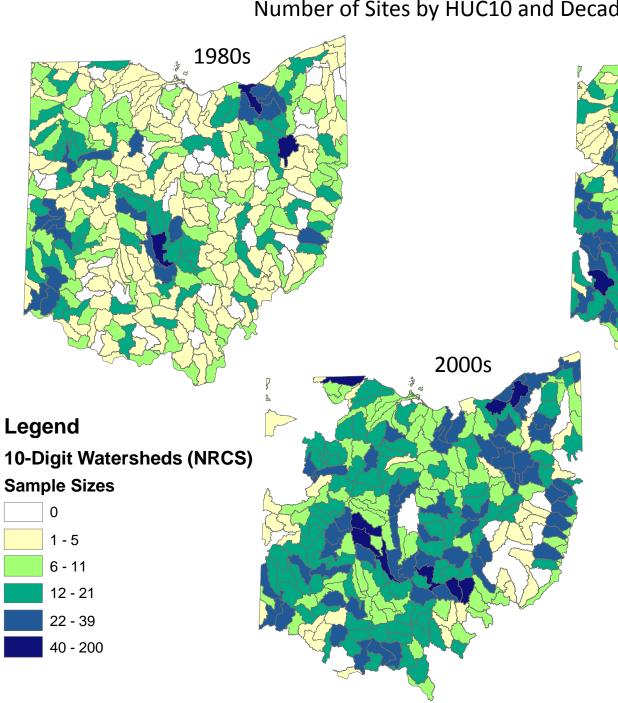
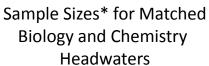
Number of Sites by HUC10 and Decade; Headwaters

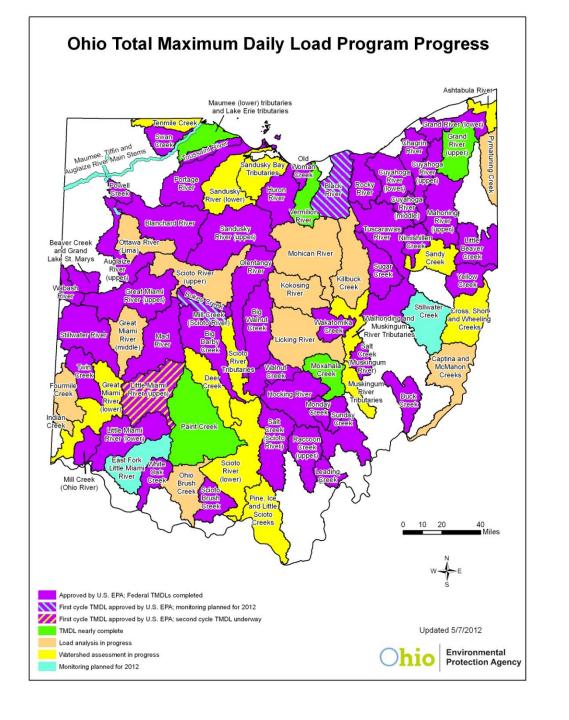




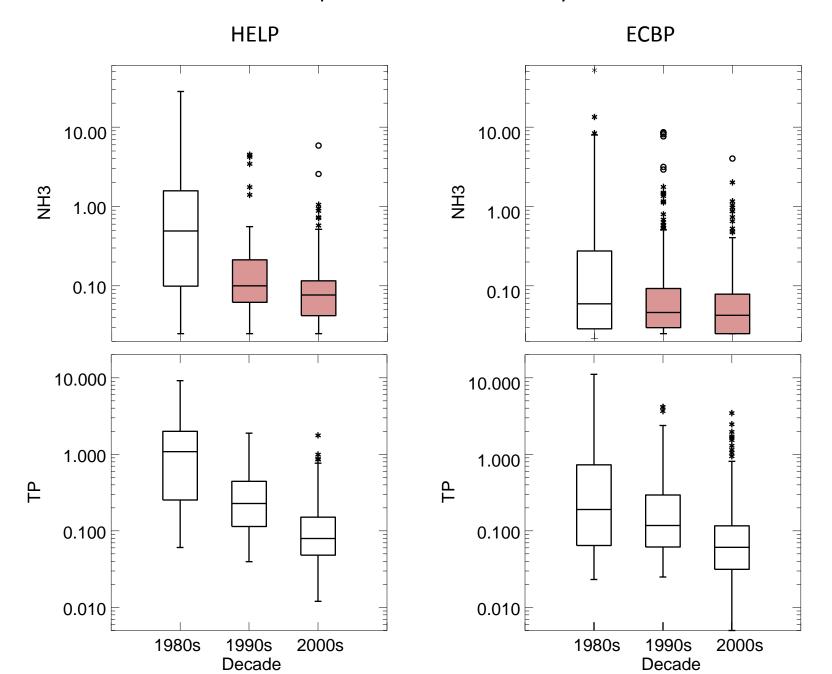
1990s

Decade	1980s	1990s	2000s
HELP	40	60	120
ECBP	140	200	400

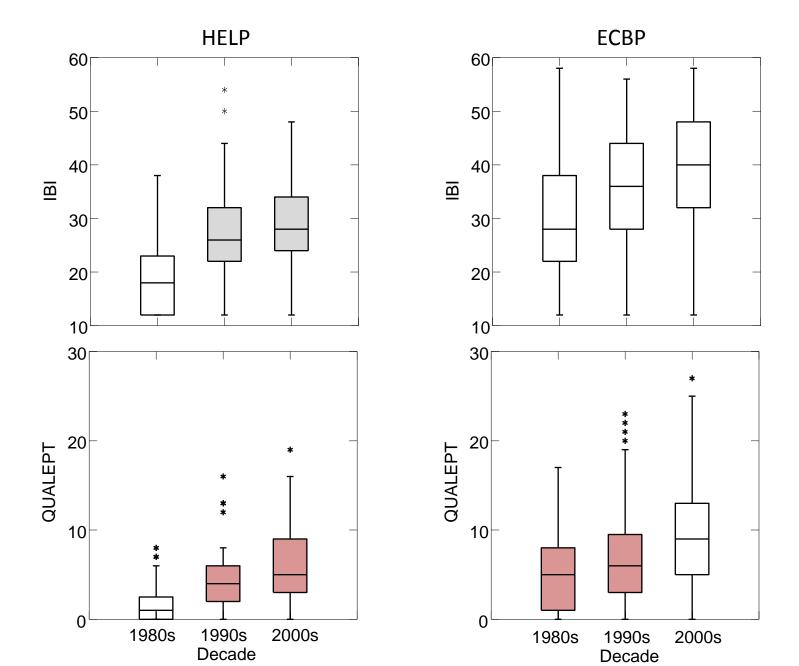
^{*}a rough approximation



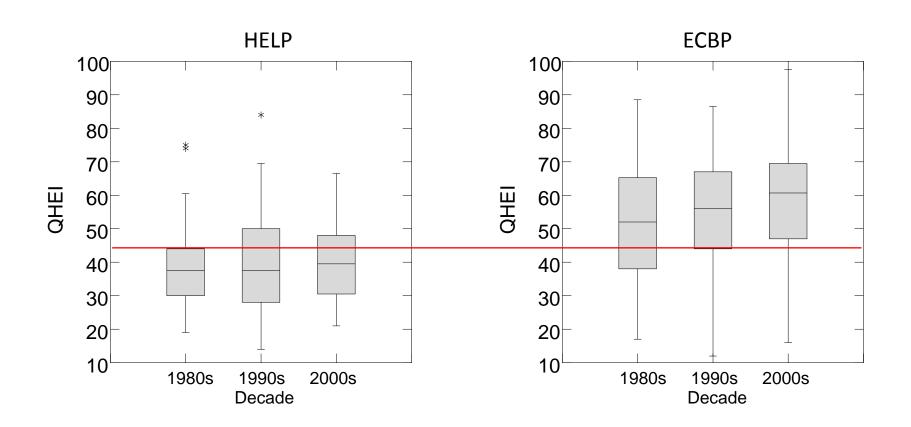
Ammonia and Phosphorus Concentrations by Decade in Headwaters

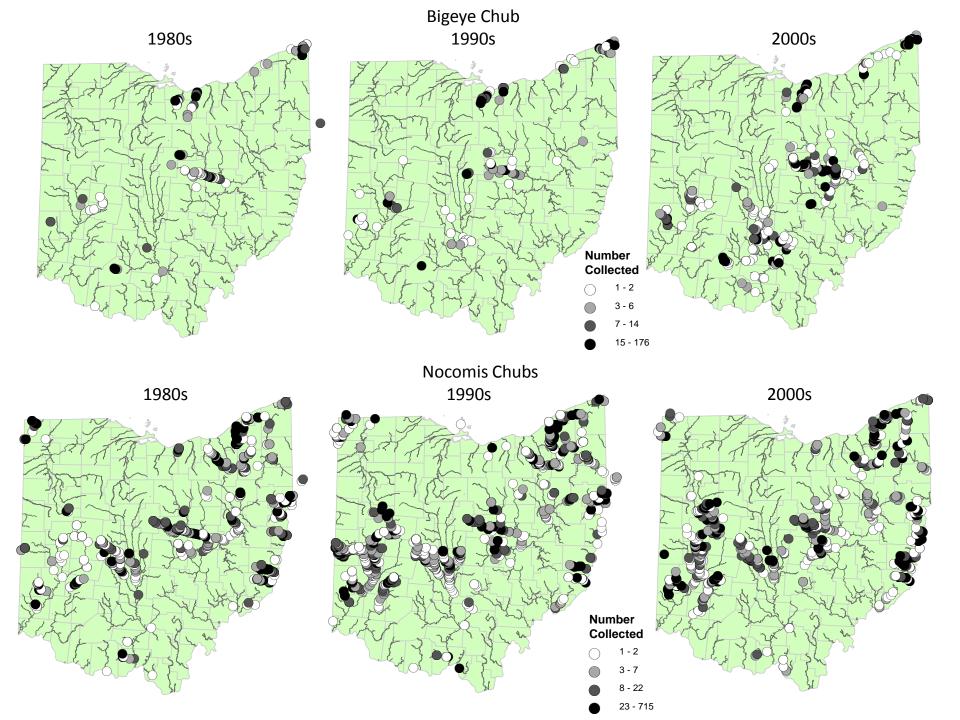


Fish IBI and EPT Richness by Decade in Headwaters



QHEI Scores by Decade in Headwaters





Rough Comparison of Monitoring Programs

Ohio	Indiana	Michigan
Intensive basin surveys	Random state-wide (5yr) with follow-up	Random + fixed station
Fish Macroinvertebrates - LLT Chemistry ~6 samples Habitat (QHEI)	Fish Macroinvertebrates - FLT but recently started LLT Chemistry ~ 1-3 samples Habitat (QHEI)	Macroinvertebrates - FLT Chemistry 3 - many Habitat (RBP?)